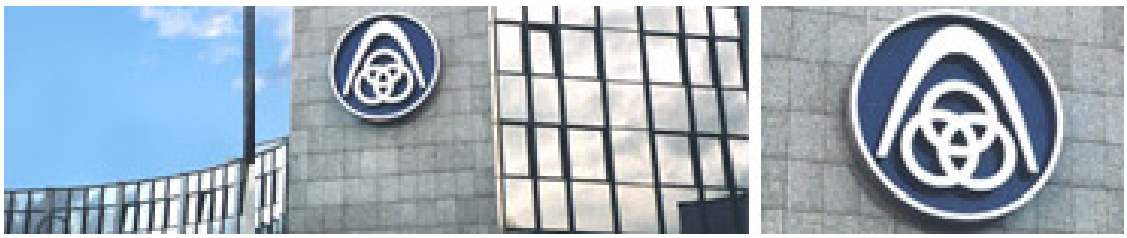
Inclined Platform Lift
Operation and Maintenance Manual

SUPRA
Inclined Platform Lift

ThyssenKrupp Access



Dear Valued Customer,

We congratulate you and thank you for choosing a ThyssenKrupp Access product. This manual contains the main indications to be followed for a correct use of the machine you have purchased.

Please read this booklet carefully: it contains simple information, advice and warnings, all illustrated clearly and briefly.

Please store the manual so it is available to users at all times and contact ThyssenKrupp Access if you have any questions.

Yours Sincerely,

ThyssenKrupp Access

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1. General Information
1.1 Warnings

CAUTION: read carefully safety and operation instructions.

The inclined platform lift is to be used only by persons who are capable of operating it safely or, otherwise, under the supervision of another person, duly trained in its safe and proper use.

We strongly recommend not allowing the inclined platform lift to be used by minors and/or those who cannot operate it safely. In this case, the inclined platform lift must be used under the supervision by another person, duly trained in its safe and proper use.

While in use, maintain a correct position according to the inclined platform lift set-up, and always look in the direction of travel.

Once aboard with the wheelchair, you must remain in correct position. not setting the wheels down on the movable straps and ensuring that you have acquired stability on the platform after operating the two stationing brakes with which the chair is equipped.

Check that nothing can be placed between the inclined platform lift and the guide (in particular, pay attention to clothing, umbrellas or canes).

During travel, especially if the machine is commanded with calls from the floors, the user must pay particular attention that no persons or objects are in the path of the inclined platform lift.

Safety devices are installed to neutralize any dangerous situations: do not create fictitious danger situations to test them, abusing their utilization, and do not tamper with them for any reason. Testing the correct operation of these devices is done solely by the maintenance service.

The maximum capacity of the inclined platform lift is indicated on the serial number tag, bearing the CE marking; never exceed this value for any reason whatsoever.

The inclined platform lift is designed to carry a single person. In case of improper use (carrying things), ensure that the weight of the load does not exceed the indicated capacity and that the load is positioned correctly and fastened onto the platform.

For the inclined platform lift to work well over time, the machine must be properly maintained. ThyssenKrupp Access recommends establishing a planned maintenance contract with an authorized dealer. The documents, manuals, and tools for emergency operations supplied with the Journey should be kept in a safe place.

Their location must be known to all those who are authorized to use the inclined platform lift, or appointed to help others use it, safely and in accordance with the provisions of this manual.

If the inclined platform lift is installed in front of railings accessible from the rear, it is necessary to plug the segments that would allow touching of the rear of the moving inclined platform lift.

The guide of the inclined platform lift is not “intentionally connected to ground”. For applications where the building’s owner deems it necessary to implement protection against the effects of lightning during use, direct contacts need to be made with the manufacturer to define the type of protection required.

The range of ambient temperatures for which the inclined platform lift will operate properly is between 32°F and +113°F; for storage, ambient temperature ranges between 23°F and +131°F are allowed.

DO NOT use the inclined platform lift in the presence of ice formations, including both the guide and the vertical supports, and the inclined platform lift body.

The customer shall provide with an adequate staircase lighting (minimum 50 LUX) and with a light socket to be available to the mechanics for maintenance and inspections requirements.

NOTE FOR US MARKET: Installation is to be made in accordance with the current edition of the U.S. National Electric Code NFPA-70 and the Standard for Platform Lifts and Stairway Chairlift ANSI/ASME A18.1:2005,Section 3 or 6 (whichever is relevant for the installation location).

NOTE FOR US MARKET: A Listed or Recognized Circuit Breaker with minimum voltage rating of 240Vac and maximum current rating of 16A is requires.

1.2 Illustration of the Inclined Platform Lift

1.3 Illustration of the Applications

Figure 1 – View of the Inclined Platform Lift

Straight Staircases

Curved Staircases

1.4 General Conditions of Operation

To use the Supra inclined platform lift correctly, some fundamental concepts are listed below:

For the inclined platform lift to move, the containment position both of the safety bars and of the movable straps must be reached. The movement of the straps automatically takes place simultaneously with the movement of the bars. The straps open automatically at the floor stops about two seconds after the travel pushbutton is released. On-board controls are used to make the inclined platform lift move (ascent/descent) with the platform open and the safety bars in horizontal position and straps raised.

The floor call boxes have the following functions:

- Move (ascent/descent) the inclined platform lift when it is “parked”. The “parked condition” of the inclined platform lift, corresponds to the position shown in the first image of Figs. 2 where the platform is closed and the safety bars are enclosed between the Platform and the machine body.

- Parking function [P]. After completing an ascent/descent aboard the inclined platform lift, having reached the floor and having stepped off the platform, the inclined platform lift has the platform open, the strap lowered and the safety bar raised (image 2 of Fig.2)

To close the platform correctly, the safety bar must be returned to the horizontal position.
To do so, you have to act on the floor call, selecting the direction of travel you have just completed; this procedure is represented by the symbol [P]; at this point, the safety bar will lower automatically.
You can now close the platform, automatically storing the safety bar between the platform and the case; see next point.

- Closing/opening the platform. If the inclined platform lift is provided with automatic folding/unfolding platform (optional), the platform is opened and closed by a motorized system, simply acting on the floor call, rotating the key in one of the two directions: one direction opens the platform and the other one closes (image 3 of Fig.2)

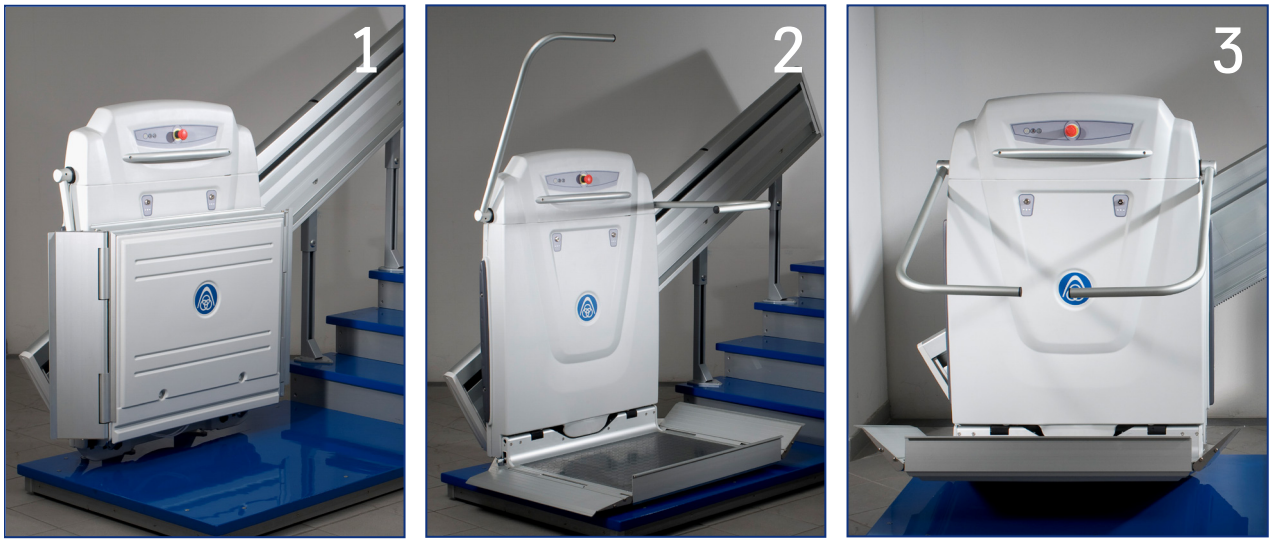

Figure 2 - Main operations of the Inclined Platform Lift

Caution! Never leave the inclined platform lift with the platform open and the bars raised. After use, move the bar to the horizontal position and close the platform, ensuring that the bars are closed between the machine body and the platform and hence in **PARKED CONDITION.**

1.5 Certificate of Compliance

A ThyssenKrupp Elevator company **ThyssenKrupp Ceteco**

ThyssenKrupp

CE DECLARATION OF CONFORMITY

The company THYSSENKRUPP CETECO S.r.l. operates in the engineering sector and is based in Pisa - Zona Artigianale Est di Ospedaletto - Via S. Cannizzaro no. 2, Tel. 050.955.111, Taxpayer ID and VAT code 00449190503, is registered at the Pisa Chamber of Commerce under no. 73618, is registered at the Pisa Enterprise Registry under no. 00449190503 and is the manufacturer of the stair lift machine. A technical dossier has been issued for the machine specified below. The technical dossier is kept at our headquarters and will be at the disposal of the competent authorities for a period of 10 years starting from the date upon which the final unit of this machine is manufactured.

Eng. Fabio Sbrana, acting as the Technical Director of ThyssenKrupp Ceteco, is the person who has been authorized to compose the technical dossier.

The stair lift is a machine which is essentially comprised of a motorized undercarriage and a platform; it is intended for transporting people with limited motor skills, either on a wheelchair or standing; it can be equipped with a seat in order to allow the occupant to sit while the machine is in motion. It is employed for transporting people between two vertical levels; it provides access to predefined floors; it travels the same path in both directions; it moves along a guide which follows the path of either a staircase or an inclined plane.

For the stair lift which is commercially known as **RPSP** model **RPSP** serial number _____

Commissioned by _____

ThyssenKrupp Ceteco DECLARES

1) That the stair lift complies with the essential health and safety requirements of the following Directives:
   a) The 2006/42/EC Machinery Directive;
   b) The EMC 2004/108/EC Electromagnetic Compatibility Directive;
   c) The Low Voltage Directive: 2006/95/EC
2) That the following Standards have been respected:
   d) Harmonized standard: EN 81-40 (February 2009 edition)
3) To have obtained Certificate no. MAC0001 dated Dec. 2009 from TUV Italia, with headquarters at Via Carducci no. 125 - building 23 in Sesto San Giovanni (MI), certifying the machine's compliance with the 2006/42/EC Directive.

ThyssenKrupp Ceteco REFUSES

any responsibility for damages to people or property deriving from:
- non-compliance with the instructions which are furnished with the machine;
- lack of maintenance or repair;
- third party tampering;

Pisa, _____

Sincerely
THYSSENKRUPP CETECO s.r.l.
Technical Director

-EN2006/42 - Rev.00

Figure 3 - Certificate of Compliance

1.6 Electrical Connection

The electrical connection, upstream of the inclined platform lift, must be performed by authorized personnel, in accordance with national electrical code.

Power supply voltage shall be 230 V ± 10%, 50 Hz. The current absorbed by the inclined platform lift is as follows:

Model	Acceleration	Steady State
Supra	13 A	7 A

The phase, neutral, and ground conductor must be dimensioned according to the above data and in any case with no less than 2.5 mm2 cross section.

NOTE FOR US MARKET: Installation is to be made in accordance with the current edition of the U.S. National Electric Code NFPA-70 and the standard for platform lifts and stairway chairlift ANSI/ASME A18.1:2005, section 3 or 6 (whichever is relevant for the installation location). A Listed or recognized circuit breaker with minimum voltage rating of 240VAC and maximum current rating of 16A is requires.

1.7 Keys and Emergency Tools

The user receives, together with the inclined platform lift, the following components:

- (2) keys to enable and operate the inclined platform lift both from onboard and from the wall mounted call boxes.
- (1) kit of tools to be used solely under emergency conditions.

The emergency tool kits should be placed in a safe place, accessible to authorized personnel. After their use, we strongly recommend stowing them immediately in their original location, so they will not get lost.

2. Description of the Inclined Platform Lift

2.1 Controls

Note: all the controls of the inclined platform lift are of the “DEAD MAN” type; releasing the controls stops any ongoing movement.

The inclined platform lift can be operated by means of the floor call stations or using the onboard controls.

Every time the inclined platform lift is in operation, follow the inclined platform lift with your eyes and be ready to stop it immediately in case of danger due to collision against any obstacles.

When the movement is commanded from onboard, the safety bars are blocked in horizontal position. When the floor is reached, only the safety bar corresponding to the floor is raised automatically, the other one remains locked in horizontal position. In particular cases, and only for arrival to the lower floor, both safety bars can be raised. In emergency conditions, it is always possible to unlock the bars using the appropriate tools.

2.1.1 Stop

All onboard and floor control stations are provided with red stop pushbutton to be used in case of emergency. The emergency pushbutton on the floor control station stop only the station operating.
To resume operation, reset the pushbutton by rotating clockwise as shown by the arrow on the pushbutton.

2.1.2 On Board Controls

To operate the inclined platform lift simply use one of the two special keys called “Joystickey” supplied by ThyssenKrupp Access. These keys are designed specifically to make the machine very user-friendly. The direction of travel is determined by the direction of rotation imparted using the key.

Figure 4 - Joystickey

2.1.3 Floor Call Stations

Note: all the controls of the inclined platform lift are of the “DEAD MAN” type; releasing the controls stops any ongoing movement.

On the floor call boxes are positioned: 1 emergency stop push button and 1 key selector (see figure 5); all machine motion controls imparted are signaled by three consecutive audible signals and by the green LED (“OK”) flashing on the control panel of the machine.

Figure 5 - Floor Call Station

Note: The inclined platform lift can be moved along the guide of the floor call boxes, only when the platform is closed.

Key Selector – Movement of the Inclined Platform Lift
Introduce the key into the three-position selector switch ⬅ 0 ➡, rotate the key in the selected direction of travel and keep it rotated until the inclined platform lift arrives.

Key Selector switch – Readying for boarding

With the inclined platform lift present at the floor and platform with manual opening, it is sufficient to:

a) manually open the platform
b) operate the boarding control and wait; raise the safety bar and lower the strap in motorized manner. With the inclined platform lift present at the floor and optional motorized opening of the platform (REM):
a) keep the boarding control activated to allow the motorized opening of the platform, bar and strap.

Key Selector switch – Parking function [P]

Once the use of the inclined platform lift is finished, the machine can be “parked”.
With manually opened platform, it is sufficient:

a) Operate the control [P] until the safety bar is completely lowered.
b) Close the platform manually.
With platform equipped with optional REM:
a) Press and hold the control [P] until the safety bar is completely lowered and the platform closes.

The start and the stop of the inclined platform lift are slightly delayed relative to the operation of the key selector switch, to ensure that the maneuver was intentional.

Red emergency stop pushbutton
When pressed, it stops the motion of the inclined platform lift. If it is activated, the mushroom head pushbutton remains in a “retracted” position. To deactivate the emergency stop, the pushbutton must be rotated following the direction of the arrows until the pushbutton is released and moves outwards.

The floor call station contains 2 LEDs:

“Low Battery” LED: the LED lights up to indicate that the battery is low and that it needs to be replaced.

Command execution LED: the LED lights up when a control is activated and it turns off as soon as the control is no longer active; the commands sent by the call boxes are indicated by a flashing light.

Caution! When the “low battery” LED lights up, the floor call should not be used because the operating time left is just a few minutes, so the battery must be changed before use. ThyssenKrupp Access recommends always keeping a spare battery.

2.1.4 Intermediate stops (only for curved staircases version)

In case of intermediate stop an additional floor control station will be fitted closed to the wished floor. The floor control station and on board controls operation is the same as the above mentioned cases (see paragraphs 2.1.2 and 2.1.3) with the exception of the automatic folding/unfolding platform option (if available). This option operates by using an additional key selector positioned on the platform lift.

2.1.5 Replacing the Floor Call Station Battery

Each floor call is powered by 4 AAA batteries; if, when using the floor call, the operation of the inclined platform lift is not smooth, replace the batteries.

To replace the batteries of the floor call stations, unscrew the four screws positioned on the front part at the corners, gently lift the lid (paying attention to the electrical wires) and replace the batteries with new ones of the same type; lastly, close and screw the lid again (Figure 6).

Figure 6 - Battery Replacement

2.1.6 Check Panel

The check panel of the inclined platform lift contains: 1 emergency pushbutton, 2 machine operation indication LEDs, 1 sound indicator (Figure 7).

Figure 7 - Check Panel

Operation of the Left LED

Off	No power supply/replace fuse	
Solid Green	Stand-by (awaiting use)	
Flashing Green	Command received from wall mounted calls	
Yellow	Safety function (anti-impact/anti-crushing) on	
Red	Emergency pushbutton pressed	

Operation of the Right LED

Off	No alarm	
On	Extra-travel/parachute on (contact the service department)	

Sound signal

1 beep	Travel command received by onboard pushbuttons
2 beep	Inclined platform lift has reached the floor
3 beep	Inclined platform lift is leaving

2.1.7 Radio remote control

The radio control is to be used for platform lift activation in addition to onboard controls.

Figure 8 - Radio Remote Control

Figure 9 - Detail

The following controls (with indication in illustrations to the right) can be activated via lever movement:

1 – **Lift**, this command activates stairlift movement with both an open and closed platform
2 – **Open**, the stairlift prepares for user boarding (platform opening is motorised when REM device is present)
3 – **Down**, this command activates stairlift movement with both an open and closed platform
4 – **Close**, the stairlift prepares to be closed (platform closing is motorized when REM device is present)

Attention! For safety purposes, whenever the stairlift is moving with an open platform (therefore with a user on board), radio control operation will only be possible with direct platform lift visibility by the radio control user and will however be limited to a distance of only a few meters between the machine and the control.

2.2 Platform

2.2.1 Platform with manual opening/closing movement

Opening Operation
To open the platform both at the top stop and at the bottom stop, simply accompany it during its motion.

Careful! While the platform opens, keep away from the safety bars that lift simultaneously with the platform.

Closing Operation
The platform is closed with a procedure that requires a minimal effort and does not require the user to bend down:

- Ensure that both safety bars are in the horizontal position by using the floor control stations
- Push one of the two bars downward halfway through its travel, making the platform rise
- Grip the platform that has risen until closing it completely.

2.2.2 Automatic folding/unfolding platform (optional)

In models provided with automatic folding/unfolding platform, this device is opened (or closed) by keeping pressed the appropriate control on the call box.

Make sure that the space affected by the movement of the platform is not encumbered by objects, animals, or people. In particular, in models provided with long side access, consider the additional motion of the strap during the closing/opening of the automatic folding/unfolding platform.

The mechanism is sized for operation without extraneous loads and it is provided with electromechanical protection against overloads; do not contrast the movement of the platform.

In case of failure or power supply loss, however, the platform can be closed by lifting it manually; this operation requires a slight pressure to overcome the action of the electromechanical protection device.

2.2.3 Lateral Flaps

The lateral flaps, positioned at the sides of the platform, are an essential element of the inclined platform lift, and in addition to serving their main function of "JUNCTION WITH THE DEBARKATION PLANE", serve many other functions, such as:

Anti-shearing device in the ascending motion (they stop the motion of the inclined platform lift if something is in the path of the inclined platform lift)

Anti-impact device in the descending motion (they stop the motion of the inclined platform lift if something is in the path of the inclined platform lift)

Load containment in emergency conditions

Controlling the applied load: if there is an impact or a load is applied on the strap, e.g. one of the wheelchair's wheels, a load sensor detects the applied load and if it exceeds the prescribed value, it stops the operation of the inclined platform lift.

To avoid causing the inclined platform lift to stop, the User must pay particular attention:

- not to hamper the motion of the ramps
- avoid leaning on the ramps when the inclined platform lift is in motion, so the safety devices will not be activated

2.3 Options

2.3.1 Folding Seat

The folding seat has a maximum capacity of 265 lbs; never exceed this value.

To open the folding seat, overturn the seat accompanying it to the horizontal position.
Sit on the seat in the correct position, fasten the seat belts (adjusting it, if necessary), hold to the safety bars of the inclined platform lift and perform the wished travel.

Before closing the Platform, always return the folding seat to the vertical position. In some machines the platform does not move (opening/closing) if the seat is not closed.

2.3.2 Auxiliary Power System

The auxiliary power system is activated every time mains voltage (230 VAC) is lost, and it can power the inclined platform lift under a full load for a time that depends on the type of device installed, provided the batteries are charged and fully functional.

We recommend checking the proper operation of the auxiliary power device at least twice a year, removing the power supply and checking the discharge time of the batteries with the inclined platform lift in operation. If the operating time is shorter than the figure provided above, the batteries need to be changed.

2.3.3 Cover Cloth

It is a cover cloth, specifically designed to best preserve the inclined platform lift as a result of long inoperative periods and/or when it is installed directly in contact with atmospheric agents such as sun, rain, frost or dust.

2.3.4 Lateral Motorized Ramp (Long side access)

The lateral motorized ramp allows the user to perform boarding/disembarking operations utilizing the long part of the platform. This side's profile will also be motorized in the same way the lateral sills are. This chute can be used whenever boarding/disembarking operation areas are limited or there are obstacles in the way of the platform lift area.

2.4 Operation

Inclined platform lift parked at the low stop (the platform is closed and the safety bars are housed between the platform and the machine body).

- Open the platform manually, pushing it downwards, paying attention to the bars that rise synchronously with it, until the platform is in the horizontal position. In case of automatic platform: open the platform operating the control key selector switch, paying attention to the bars that rise simultaneously with it, until the platform is in the horizontal position. In case of machine on an intermediate stop, use the key selector positioned on the top cover of the machine, to open/close the platform.

- With the platform horizontal, the descent side safety bar rises automatically (this operation also causes the simultaneous lowering of the strap on the platform); climb aboard.

- Insert the key and rotate it in the selected direction; the safety bar will lower automatically and the inclined platform lift will start to move;

- Keep the key rotated until reaching the upper floor. If the lift is at an intermediate stop when the key is released, the safety bar rises automatically and it is possible to get off from the platform. If the key is not released, the machine continues the travel.

- At the upper stop, the inclined platform lift stops automatically. Once the key is released, after two seconds, the ascent side safety bar rises automatically (this movement will cause the corresponding strap on the exit side to be lowered). In this position, the descent side bar remains horizontal and the corresponding strap remains raised. Remove the key and leave the platform.

- After exiting, to close the platform (high stop), with the wall mounted call box, give the "P" command until the bar is in horizontal position. Then close the platform manually. In case of automatic platform: continue to give the "P" command to close the platform automatically. In case of intermediate stop it is possible to close the platform using the key selector positioned on the top cover of the machine.

- **Caution!** If the platform is closed erroneously without lowering the bar first, you need to reopen the platform, lower the bar (i.e. moving it to the horizontal position) and close the platform again.

- With the inclined platform lift in parked condition (with the platform closed and bars lowered within it), it can be moved by rotating in the desired direction the key of the selectors positioned in the wall mounted call boxes - at the ends of the guide - and keeping it in this position until the desired stop is reached; the control is of the "dead man" type and releasing the key stops the movement of the inclined platform lift.

Caution! In the case of automatic folding/unfolding platform, to avoid hazards and malfunctions, do not force the opening and closing of the safety bars, straps and platform manually. To avoid risk of injury, keep away from arm during operation.

2.4.1 Stop

The onboard and floor control stations are provided with red stop pushbutton to be used in case of emergency. To restore operation, reset the pushbutton by rotating clockwise as shown by the arrow on the pushbutton.

2.4.2 Load control system

This device detects the load applied on the platform and in case of an overload, stops the stairlift from starting up. Its activation is signalled by an acoustic signal emission; the stairlift does not start up and the LED on the right of the check panel lights up becoming red and the green LED on the left flashes. The acoustic signal relative to this device is recognizable by the fact that it will sound when the machine has come to a halt without any commands given by the User.

2.4.3 Dual tone siren: assistance request device

In the event that the user of the stairlift is in need of assistance, by pushing the emergency button on board, the assistance request device is actuated, which emits a dual tone acoustic signal of 80-90 dBA to attract the attention of assigned personnel.

3. Safety Functions

3.1 Overview

Safety devices are built in compliance with current standards and with utmost accuracy. Nevertheless, said devices must be considered a safety backup and they must not cause any reduction in the considerable attention that must be paid to any mechanical means.

DO NOT TAMPER with the devices for any reason

DO NOT TRIP the devices without a reason

If you want to verify the proper operation of the devices, YOU ALWAYS MUST ASSURE THE BEST POSSIBLE SAFETY CONDITIONS, i.e. in such a situation that if the device fails to activate, no dangerous situations will be caused.

The inclined platform lift is fitted with a master switch to shut off power to the machine.

3.2 Anti-Impact and Anti-Shearing functions

If the inclined platform lift meets an obstacle while ascending/descending, the anti-shearing and anti-impact devices will automatically be activated, stopping travel. At this point, it is possible to resume travel in the opposite direction. If, once the obstacle is removed, you wish to continue in the same direction, you need to release the travel control and activate it again.

If during ascending travel with the platform open (with the user onboard), the inclined platform lift meets an obstacle, the anti-shearing safety devices will intervene as follows:

a) If the obstacle met is in such a position that it is hit from the ascent side of the platform, when the ascent side strap, in raised position, comes in contact with the obstacle it will activate a safety device that stops the inclined platform lift;

b) if the obstacle is in proximity to the guide in such a position that it will be hit by the body of the inclined platform lift, contact with the sensitive edge positioned on the side of the machine body will activate a safety device that stops the inclined platform lift.

If, during descending travel with the platform closed (with controls from the calls), the inclined platform lift meets an obstacle, the anti-impact devices intervene; since the platform is closed, the strap covers a part of the body of the inclined platform lift, serving a safety function. The operation is the same as described above.

If during descending travel with the user aboard the inclined platform lift meets an obstacle:

a) If the obstacle met is in such a position that it is hit by the edge of the platform oriented towards the descent side of the platform, then the descent side strap serves a similar anti-impact safety function to the one described in the previous paragraph a).

b) If the obstacle is in proximity to the guide in such a position that it will be hit by the body of the inclined platform lift, then the sensitive edge positioned on the descent side of the case will intervene similarly to the manner described in the previous paragraph b).

c) if the obstacle is in such a position that it will be hit by the part underlying the platform and the movable bottom of the platform is hit, then a safety device will be activated, stopping the inclined platform lift.

d) if the obstacle is in such a position that it will be hit by the part underlying the machine body and the movable bottom of the machine is hit, then a safety device will be activated, stopping the inclined platform lift.

If during descending travel with control from the calls (thus, with the platform closed), the inclined platform lift meets an obstacle:

a) if the obstacle met is in such a position that it hits the straps, then the safety devices intervene as in the previous paragraph a)

b) if the obstacle met is in such a position that it hits the machine body, then the safety devices intervene as in the previous paragraph b)

c) if the obstacle is in such a position that it will hit the inclined platform lift as per the previous point, paragraph d): the safety devices will intervene as described in that point.

3.3 Flaps

In addition to serving the anti-impact function, the straps also serve to control the load applied on them. A user on a wheelchair has to position him/herself on the platform correctly, thus without loading the straps. Caution must be exercised to prevent the “load control system” from operating and blocking the inclined platform lift without an actual danger.

3.4 Arresting Functions

Emergency Pushbutton
The travel of the inclined platform lift can be stopped if dangerous conditions require it. This stop can be effected by pressing the red mushroom head pushbutton both on board the inclined platform lift and on the floor call boxes. To resume operation, reset the pushbutton by rotating clockwise as shown by the arrow on the pushbutton.

Over-travel
If the inclined platform lift fails to stop at the position of the high or low stop, the "extra travel" safety function will intervene immediately, blocking the inclined platform lift and making it necessary to have competent personnel work on it to return it to its operating condition.

Parachute
If the inclined platform lift has a mechanical failure that increases descending travel speed beyond a pre-set limit, a "parachute" brake will be activated directly by a speed limiter and it will stop the inclined platform lift. After the activation of this safety feature, the inclined platform lift will remain mechanically and electrically blocked. If there is a failure in the speed limiter, which would compromise its proper operation, the inclined platform lift stops and remains electrically blocked. In these cases, resuming operation requires having a trained technician work on it to return it to its operating condition.

3.5 Instructions for Using the "MME" Emergency Descent Manual Device

Caution! This operation must be executed by skilled personnel.

In case of failure or power supply outage, the inclined platform lift can be made to descend using the dedicated rod with hand wheel (we recommend positioning it near the master switch).

- First, shut off main power to the machine, placing the master switch on the 0 position.
- Remove the white cap on the front case with the inscription to uncover the underlying hole.
- Insert the Allen wrench end of the rod into the hole on the case, until finding the axis of the bevel pinion.
- Press the hand wheel to engage the bevel pinion on the motor, then rotate it in the direction corresponding to descending travel, i.e. clockwise for left-hand inclined platform lift and counter clockwise for right-hand inclined platform lift; as an additional safety feature, the engagement of the bevel pinion will shut off power to the auxiliary circuit of the inclined platform lift.
- After completing the operation, always remove the hand wheel from the hole before powering the machine.
- The hand wheel must **never** be left inserted in the inclined platform lift.
- Put back the white cap on the hole.

3.6 Instructions for the Manual Emergency Release of the Safety Bar

Caution! This operation must be completed by a trained technician.

If the safety bars remain locked in the horizontal position (after reaching the stops, or because the inclined platform lift has had a generic failure during travel with the user aboard), only the ascent side safety bar can be released; the descent side safety bar MUST NEVER be unlocked manually.

- First, shut off main power to the machine, placing the master switch on the 0 position.
- Place yourself on the upper step as close as possible to the platform.
- Remove the screw that joints the two machine body cases (in the bottom of the upside). Using the proper phillips screwdriver Ø 2,2 PZ.
- Enlarge the case and introduce the screwdriver until touching the bars fork. The finger shown on the pictures indicates the point where to apply the force.
- Push the fork and operate the safety bar. Once the operations are carried out, take-down the safety bar (it returns automatically in position).
- Fix the screw.
- Close the platform.

Figure 10 - Close up view of screw

Figure 11 - Unlocking sequence

4. Maintenance

The Journey inclined platform lift requires simple maintenance operations:

- Before any maintenance activity on the inclined platform lift, always shut off power to the machine using the master switch.
- Keep the sliding guide clean, periodically greasing the track (use small quantities of multipurpose mineral grease);
- Since the guide is made of anodized Aluminum, we recommend using rags dampened with water and to rub with a soft cloth for complete drying.
- The case (outer covers of the inclined platform lift, made of plastic) can be washed with water and neutral detergent. Never use chemical solvents as these could damage the material.
- The rubber-coated loading ramp can be washed with common detergents for rubber; the aluminum loading ramp can be washed with normal household detergents.
- The inclined platform lift is powered electrically through a cable-holder chain in a “particular compartment” obtained in the guide; check that there are no obstructions in the chain sliding duct and, if necessary, clean it.
- Check the operating condition of the rescue unit (if installed);
- To perform maintenance on the inclined platform lift appoint a specialized company that fulfills the technical and professional requirements set out by current rules and laws.

Table of Recommended Maintenance Operations for the Inclined Platform Lift *

* For any matters not expressly set out here, refer to the Installation Manual

ACTIVITY	months																								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
check the presence of the documents (operating manual, wiring diagrams, ...)	X						X						X						X						X
check the presence of the tools for manual emergency operations	X						X						X						X						X
check machine integrity and the absence of tampering	X						X						X						X						X
check the presence of signs and labels	X						X						X						X						X
check general operating condition	X						X						X						X						X
Fill out date and result of the maintenance at the bottom of the Operating Booklet	X						X						X						X						X
Check guide stability and tightness of the fastenings according to the related paragraph of the operating manual	X												X												X
Check in particular the tightening of the upper Wheel Assembly and of the Motor Carriage.	X												X												X
Check the operation of the stop pushbuttons	X												X												X
Load control device test	X												X												X
Check the safety devices in accordance with the related chapter of the operating manual	X						X						X						X						X
Check the operating cycle according to the related paragraph of the operating manual	X												X												X
Lubricate the drive assembly	X						X						X						X						X
Adjust strap operating cables	X												X												X
Test speed limiter and parachutes	X																								
Verify the Check Panel	X						X						X						X						X
Clean the sliding guide	X						X						X						X						X
Clean the sliding channel of the cable holder chain, with a visual inspection (using a mirror)	X						X						X						X						X
Check the operating condition of the batteries of the rescue unit (if installed)	X												X												X

5. Faults

If the inclined platform lift does not work, perform the following checks before calling the maintenance service.

Is the master switch (circuit breaker) of the machine in the ON position?

Does the inclined platform lift appear to be powered? (See whether the green voltage indicator light on the check panel is lighted).

Are all safety devices of the inclined platform lift activated? (Stop pushbuttons not engaged, overturning protections lowered, movable straps free of obstacles and not deformed or loaded.)

Do the check panel indicator lights regularly light up when the checked components are operated?

Providing the maintenance service with this information makes it easier to identify the fault and speeds up repairs. Tell the maintenance technician the serial number, model, and year of manufacture of the inclined platform lift.

6. Warranty

THYSSENKRUPP ACCESS inclined platform lifts are guaranteed for twelve months from the date of delivery, shipment, or installation.

THYSSENKRUPP ACCESS undertakes to repair or replace, at its discretion, free of charge, any parts it may recognize as defective in terms of design, material or construction.

The warranty does not cover any defects due to the natural wear of the material, batteries and accumulators and in general all malfunctions due to causes other than the product itself (e.g., lacking or insufficient power supply voltage, open switches, blown fuses, overload, erroneous operation, etc.).

The warranty does not cover any failures due to an improper use of the machine and neglect by the user, or to external factors (e.g., damage caused by lack of maintenance or poor maintenance, dirt, floods, fires, etc.). The warranty is voided if the machine is tampered with, modified, or repaired by persons not authorized by THYSSENKRUPP ACCESS.

7. Approvals

Under particular environmental conditions, it may become necessary to design particular solutions both for the inclined platform lift itself and for its operating cycle.

In these cases, a specific design is shared with the Customer/Building owner.

The shared details are provided in this chapter for the sake of completeness, and they contribute to complete the operating instructions and they are an integral part of this manual and of the delivered inclined platform lift.

8. Final Checks

Before releasing the machine for use, all of the verifications indicated in the end installation list found below must be performed. The list of tests found in the user manual must be filled out and signed by the installer.

N°	TEST	RESULT		
		Positive	Negative	Value
1	All control devices function correctly.			-
2	All barriers, ramps, locks, hinged platforms and similar devices operate correctly.			-
3	Stopping distance of the stairlift is within specified limits.			-
4	All electrical safety devices function correctly.			-
5	The suspension elements and their attachments are in order.			-
1	The correct clearance dimensions as specified in 5.6.1. paragraph of the EN 81-40 and from the surrounding structure are maintained throughout the full travel of the stairlift.			-
2	The stairlift shall be subjected to insulation tests; see 5.5.1.5. paragraph of the EN 81-40.			-
3	Verify that the polarità of the mains supply connection is correct.			-
4	Tests to verify the functional operation of the overspeed detection device and safety gear; this shall be carried out at the rated speed and no load.			-
5	Verify that the mechanism for emergency/manual operation operates correctly.			-
6	The alarm device when activated operates correctly			-
7	All notices, etc., are correctly displayed			-
8	Undergo without failure a dynamic test to check the forces imposed by the maximum working load			-
9	Undergo the testing of the overload detection device for wheelchair platform only			-

Date _____

Installer Signature / Stamp _____

Supra Installation and Maintenance Sheet

IPL installation and maintenance sheet

ThyssenKrupp

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Model		Serial No.	
Year of Manufacture		Capacity Kg.	
Guide inclination angle α		Electrical Connection	

Installation

Date _____ By _____

Maintenance

	Date	By	Reason for intervention